

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE \$1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Docket No.: 022972-00005

Date: December 29, 2000

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): THE INERTIAL FIELD GENERATOR: A METHOD FOR CONTROLLABLY  
COUPLING KINEMATIC CHARACTER MOTIONS TO DYNAMICALLY  
SIMULATED ELEMENTS

By (Inventors): David E. BARAFF and Andrew WITKIN

- ☒ 14 pages of Specification/Claims 1-11/Abstract are attached.  
☒ Formal drawings Figs. 1a, 1b-4; 3 sheets are attached.  
☒ A Declaration and Power of Attorney is attached.  
☒ An assignment of the invention to \_\_\_\_\_ is attached, along with Form PTO-1595 and a check for \$40.00.  
☐ An Information Disclosure Statement is attached, along with Form PTO-1449, and \_\_\_\_\_ reference(s).  
☐ This application is entitled to Small Entity Status.  
☐ A Preliminary Amendment is attached.  
☐ Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_.  
☐ Priority of foreign application No. \_\_\_\_\_ filed \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 U.S.C. §119.  
☐ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	11 - 20	= 0
INDEP CLAIMS	1 - 3	= 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS		

SMALL ENTITY			LARGE ENTITY	
RATE	FEE	OR	RATE	FEE
	\$ 355	OR		\$ 710
x 9 =	\$	OR	x 18	\$ 0
x 40 =	\$	OR	x 80	\$ 0
+135 =	\$	OR	+270	\$ 0
TOTAL	\$	OR	TOTAL	\$ 710

- ☒ A check in the amount of \$750.00 (710.00 for the filing fee and 40.00 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

  
Kevin F. Turner  
Registration No. 43,437

KFT/ejb